



PTO/SB/08A (08-03)

Approved for use through 07/31/2008. OMB 0551-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<b>Complete if Known</b>	
	Application Number	10/709,108
	Filing Date	April 14, 2004
	First Named Inventor	Boucher, et al.
	Art Unit	3672
	Examiner Name	TSAY
Substitute for form 1449/PTO	Attorney Docket Number	78.1178
Sheet 12	of 12	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
7/		US- 5278758	01/11/1994	Perry et al.	
		US- 5454605	10/03/1995	Mott	
		US- 5813480	09/29/1998	Zaleski Jr et al.	
		US- 5908212	08/01/1999	Smith et al.	
		US- 6028915	02/22/2000	Smith et al.	
		US- 6230822 B1	05/15/2001	Sullivan et al.	
		US- 6550321 B1	04/22/2003	Patey et al.	
		US- 6626251 B1	09/30/2003	Sullivan et al.	
		US- 6670880 B1	12/30/2003	Hall, et al.	
		US- 6842990 B2	01/18/2005	Taylor	
		US- RE 31,222	04/26/1983	McCracken	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Y <sup>5</sup>
7/		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known) EP 0188328	07/02/1986	Halliburton		

Examiner Signature	<i>F. K. [Signature]</i>	Date Considered	3/21/06
--------------------	--------------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issues the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

BEST AVAILABLE COPY